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Bpifa2 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1912a

Specification

Bpifa2 Antibody - Product Information

Application	**WB, IHC, FC, E**
Primary Accession	P07743
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**24.8kd KDa**

Description
Bpifa2 has strong antibacterial activity against P. aeruginosa.

Immunogen
Purified recombinant fragment of mouse mSplunc2 (AA: 16-169) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide.

Bpifa2 Antibody - Additional Information

Gene ID 19194

Other Names
BPI fold-containing family A member 2, Parotid secretory protein, PSP, Bpifa2, Psp

Dilution
WB~~1/500 - 1/2000
IHC~~1/200 - 1/1000
FC~~1/200 - 1/400
E~~1/10000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Bpifa2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Bpifa2 Antibody - Protein Information

Name Bpifa2

Synonyms Psp

Function
Has strong antibacterial activity against P.aeruginosa.

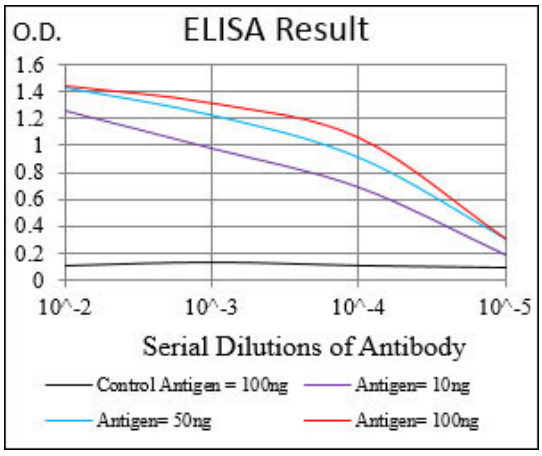
Cellular Location
Secreted.

Tissue Location
Predominates in the parotid glands, present in smaller amounts (1/10) in the submaxillary glands and in the sublingual glands, and at lower amount in the pancreas but undetectable in the liver. Found also in lacrimal gland.

Bpifa2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



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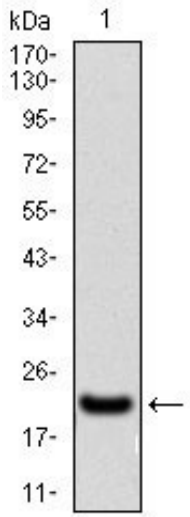

Figure 1: Western blot analysis using mSplunc2 mAb against mSplunc2 (AA: 16-169) recombinant protein. (Expected MW is 18.5 kDa)

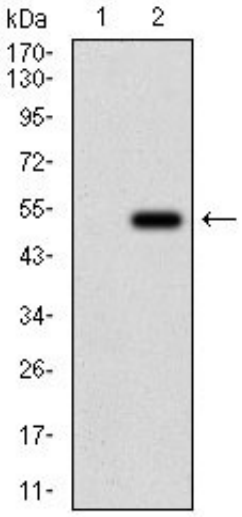

Figure 2: Western blot analysis using mSplunc2 mAb against HEK293 (1) and mSplunc2 (AA: 16-169)-hIgGFc transfected HEK293 (2) cell lysate.

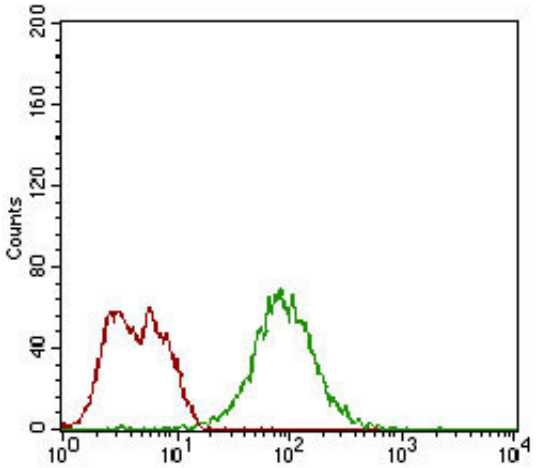

Figure 3: Flow cytometric analysis of MCF-7 cells using mSplunc2 mouse mAb (green) and negative control (red).

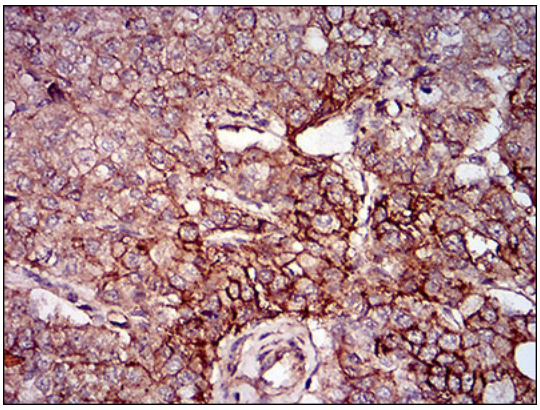

Figure 4: Immunohistochemical analysis of paraffin-embedded prostate cancer tissues using mSplunc2 mouse mAb with DAB staining.

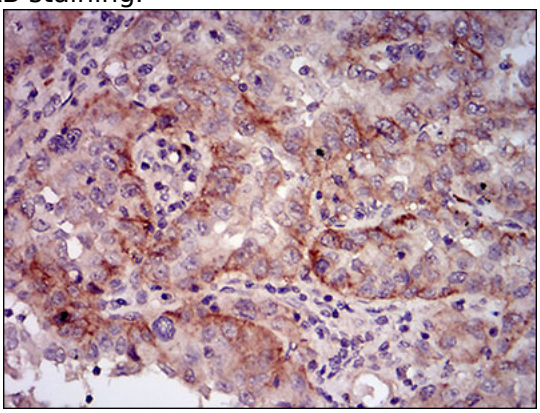

Figure 5: Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues using mSplunc2 mouse mAb with DAB staining.

Bpifa2 Antibody - Background

The bone morphogenetic protein (BMP) receptors are a family of transmembrane serine/threonine kinases that include the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas and activins transduce their signals through the formation of heteromeric complexes with 2 different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding. ; ;

Bpifa2 Antibody - References

1.Am J Physiol. 1997 Apr;272(4 Pt 1):G863-71.2.Nucleic Acids Res. 1998 Jun 1;26(11):2761-70.